MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE
DOMINION OF CANADA

JULY 1933

TEMPERATURE

The month averaged cooler than a normal July in British Columbia, the Yukon, the Slave and Mackenzie valleys, the Arctic coast and in northern Quebec. The deficiency was generally one to three degrees in British Columbia and two to six degrees in the far north.

In Saskatchewan, the central portion of the grain belt in Alberta, and in southern Manitoba there was an excess of two to five degrees. In western and northern Alberta from the upper Red Deer valley to Lake Athabaska the difference from normal was small with some portions slightly in excess and others slightly in defect.

There was also very little difference from normal in northern Ontario but in southwestern Ontario a considerable portion of the Lower Lake region averaged three to five degrees above normal temperature.

In Quebec there was an excess of two degrees along the height of land at the headwaters of the Gatineau and the upper Ottawa Rivers. Along the middle St. Lawrence, in the Saguenay region, and in the Gulf, temperatures averaged practically normal but there was an excess of one to two degrees between Quebec and Father Point.

On Prince Edward Island and in the region of the Bay of Fundy temperatures were normal or slightly in excess but elsewhere in the Atlantic provinces were a little below normal.

The region of warmth in Saskatchewan apparently extended in a narrow belt northeastward to Churchill on the Hudson Bay. In Hudson Straits, however, there was a deficiency of one to five degrees.

PRECIPITATION

On the north coast of British Columbia the precipitation was in excess by ten to fifteen per cent. From Nanaimo to Alberni northward on Vancouver Island there was a deficiency which was quite large in some districts. On the southern tip of the island, in the lower Fraser valley, and in the far northwestern interior the total amount was a little in excess of normal. The southern interior was rather dry especially the Okanagan valley and the most southerly region of the Kootenays.

In Alberta the region from Lesser Slave Lake south through Edmonton to the upper valleys of the Red Deer River had more than normal precipitation. The excess varied widely from ten to eighty per cent. From Calgary southward and eastward the month was quite dry, averaging three tenths of an inch although the normal for July is in the neighbourhood of two inches.

In Saskatchewan where the general normal is in the neighborhood of two and a quarter inches except in the extreme southwest, the greater part of the province reported less than one inch. In the northeastern portion of the grain region from one and a half to two and a half inches were recorded.

In Manitoba from one to two inches were recorded although the normal July amount is from two and a quarter to three inches.

In the immediate vicinity of the Lake of the Woods the total amount for the month was little more than ten per cent. of the normal amount but at a few points on Rainy River and immediately east of the Lake of the Woods about one third of the normal amount was reported. On the north shore of Lake Superior some points reported excesses of fifty per cent. or more and there was also a fairly wet area in the vicinity of Lake Temiskaming. In the Lower Lake region there was a general drought, some districts reporting less than an inch of rain although the normal is generally in excess of three inches.

In southwestern Quebec from three to seven inches of rain were reported where the normal amount is between three and four inches. In some parts of the upper St. Maurice valley and also the northerly portion of the Lake St. John region and the lower St. Lawrence and Gulf the rainfall was generally deficient. A deficiency was particularly noticeable in the gulf region where some stations reported only twenty per cent. of the normal amount.

The Atlantic provinces suffered severely from drought, the situation becoming very serious towards the end of the month with forest fires reported early in August. There was a deficiency of thirty to eighty per cent. in New Brunswick while in Nova Scotia and Prince Edward Island the deficiency was ten to ninety per cent. A remarkable incident was the heavy rain accompanying a thunderstorm at Aroostook, N.B. on the 24th. Between 3.30 and 5.30 p.m. E.S.T. 4.36 inches of rain fell.

Some points in the far north as Aklavik, Fort Smith and Chesterfield Inlet reported amounts considerably above normal.

A. J CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Tm is the mean temperature of the current month.

BRITISH COLUMBIA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Atlin			2.3		52°	Courtenay			0.2			Salmon Arm	98°	40°	1.0	331	
Prince Rupert	72°	42°	6.2	55	53°	Vancouver	80°	47°	1 8	336	62°	Greenwood	99°	33°	0.0		
Estevan Point			1.5		54°	New Westminster	88°	47°	2.1			Kaslo	93°	38°	1.2		65°
Sooke	81°	39°	1.1			White Rock	81°	45°	1.4			Creston	99°	37°	0.2		
Port Alberni	91°	43°	0.5			Agassiz	90°	44°	2.5	267		Cranbrook	92°	32°	0.4		
Victoria	81°	48°	1.1	364	58°	Oliver	105°	49°	0.1	336		Nelson	99°	38°	1:1	284	
Goldstream Lake			1.6			Penticton	96°	41°	0 4			Golden	98°	34°	1.2		
Shawnigan Lake	89°	42°	1.1			Summerland	95°	44°	0.2	352		Glacier	87°	34°	1.7		
Duncan	93°	40°	1.2			Vernon	98°	40°	0.7	336		Hudson Hope	85°	31°	1.3		58°
Nanaimo	86°	48°	0.5	348		Kamloops	99°	43°	0.5	357	68°	Prince George	86°	34°	1.4	258	57°

ALBERTA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Fairview	82°	37°	2.6	264	57°	Perbeck	100°	37°	2.7		63°
Beaverlodge	85°	34°	1.9	292	57°	Pekisko	95°	28°	0.3		58°
Lesser Slave Lake	87°	36°	3.6		43°	Gleichen	99°	37°	0.6		66°
Grouard	89°	33°	2.6		59°	Naco	102°	34°	0.3		65°
Grande Prairie	92°	30°	1.7		59°	Thorsby	86°	38°	4.2		63°
Peace River	92°	37°	2.2		61°	Calmar	87°	34°	3.8		58°
High Prairie	87°	33°	3.1			Viking	95°	32°	1.6		61°
Edmonton	92°	40°	3.7	325	60°	Edson	88°	32°	2.8		57°
Entrance	90°	27°	1 4		56°	Springdale	91°	30°	2.7		
Wabamun			4.4			Foremost	104°	42°	0.2		
Ranfurly	93°	37°	2.5			Cardston	98°	34°	0.1		
Wetaskiwin	95°	36°	2.5		60°	Lake Louise	88°	37°	1.1		
Stettler	99°	40°	2.6		64°	Brooks	98°	39°	0.3		
Olds	94°	34°	1.8		60°	Athabaska	85°	34°	3.0		
Hillsdown	95°	39°	3.5		57°	Sedgewick	98°	37°	2.0		
Strathmore	59°	38°	0.8		64°	Jenner	102°	38°	0.2		
Calgary	97°	37°	0.5	360	62°	Sion	88°	32°	0.3		
Vulcan			0.3			Lyndon			0.2		
Lethbridge			0.9		66°	Maycroft			0.6		
Macleod	100°	38°	0.3			Beaver Mines			2.0		
Coleman			0.6			Waterton Park			0.2		
Cowley			0.2			Telfordville			4.6		
Exshaw	93°	36°	0.4			Mountain View			0.1		
Pincher Creek	96°	32°	0.2			Lougheed			1.8		
Winnifred			0.4			Empress			0.7		
Medicine Hat	104°	42°	0.2	359	70°	Drumheller			0.7		
Coronation	95°	37°	0.9			Red Deer			5.2		
Pemukan			0.8			Vegreville			2.8		

SASKATCHEWAN

Battleford	100°	38°	0.6		65°	Shaunavon	106°	40°	0.7		67°
Prongua			0.3			Lidgett			0.6		
Waseca	93°	36°	1.7		63°	Climax			1.1		
Macklin	100°	36°	0 5		64°	Leader	106°	40°	0.5		69°
Scott	99°	35°	0 9	322	64°	Pennant	103°	39°	0.4		68°
Saskatoon	101°	39°	1.0		66°	Chaplin	102°	40°	0.7		68°
Prince Albert	89°	42°	1.4		65°	Wapashoe			0.1		
Lestock	97°	40°	1.5		66°	Gravelbourg	105°	38°	0.1		68°
Melfort	85°	39°	2.6		63°	Francis	98°	35°	0.6		66°
Muenster	90°	36°	2.3		63°	Midale	102°	40°	1.5		68°
Humboldt	92°	40°	2.3		64°	Yellow Grass	101°	35°	1.2		66°
Biggar	102°	39°	1.9		67°	Goodwater			1.0		
Dundurn	100°	27°	1 9		64°	Carlyle	100°	38°	0.9		66°
Outlook	104°	38°	1.7		68°	Indian Head	98°	38°	0.9		66°
Tugaske	104°	39°	0.3		67°	Whitewood	93°	38°	1.3		64°
Rosetown	101°	35°	1.2		66°	Lumsden	106°	40°	0.5		69°
Marquis			0.5			Kamsack	90°	40°	2.6		65°
Davidson	100°	35°	0.8		66°	Grenfell	98°	39°	0.7		67°
Nokomis	99°	40°	2.4		62°	Broadview			1.3		
Strasbourg	99°	42°	1.0		65°	Moosomin			1.0		
Qu'Appelle	98°	40°	0 8		65°	Estevan			1.2		
Regina	101°	41°	0.6		66°	Consul			0.2		
Moose Jaw	105°	39°	0.4	366	69°	Yorkton			1.7		
Swift Current	104°	38°	0.7	401	68°	Elbow			0.4		
Assiniboia	104°	43°	0.7		68°	Kindersley			0.9		
Rockglen			0.5			Lloydminster			1.9		

MANITOBA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Cypress River	98°	46°	1.1			Morden	97°	49°	0.7		
Russell	94°	36°	1.1			Morris	93°	55°	2.5		
Birtle	98°	35°	1.4			Sprague	90°	36°	0.8		
Minnedosa	94°	40°	2.0		66°	Winnipeg	91°	47°	1.6	316	69°
Brandon	97°	38°	1.6	309		Great Falls	91°	44°			
Pierson	102°	28°	1.6			Pinawa	89°	47°	0.4		67°
Waskada	102°	41°	1.8			Dauphin	98°	47°	1.2		68°
Treesbank (St. Albans)	102°	43°	1.9			Le Pas	87°	43°	2.2		64°
Treherne	99°	44°	1.6			Emerson			1.0		
Virden	100°	42°	1.7			Portage la Prairie	95°	47°	1.1		
Graysville	94°	47°	1.1			Boissevain			1.6		
Morden (Experimental Farm)	99°	48°	0.9			Swan River			1.9		

ONTARIO

Kenora	88°	50°	0.4			Mount Forest	97°	42°	1.7	287	68°
Sioux Lookout			1.1		65°	Barrie	96°	50°	1.2	220	70°
Quorn	90°	37°	0.8			Beeton			1.2		
Atikokan	96°	35°	1.6			Alton	96°	40°	0.9		69°
Mine Centre	93°	42°	1.4		68°	London	96°	47°	2.5		70°
Ignace	92°	39°	0.8			Woodstock	96°	46°	1.6	335	72°
Port Arthur	91°	46°	5.9		64°	Brucefield	95°	47°	0.8		
Abitibi Canyon	93°	33°	2.1			Paris	101°	49°	0.9		74°
Kapuskasing	89°	31°	2.0	213	62°	Simcoe	100°	42°	1.0		73°
Timmins	86°	39°	2.6		63°	Harrow	99°	53°	0.9	341	76°
Cochrane	89°	35°	2.9	190	63°	St. Catharines	99°	51°	0.2		
Haileybury	88°	45°	3.8	265	66°	Toronto	98°	54°	1.5	332	73°
Ruel	88°	31°	3.7		60°	Bloomfield	99°	50°	0.4		
White River	86°	33°	4.4		61°	Peterboro'	96°	45°	1.5		
Sault Ste. Marie	95°	38°	2.0			Queensboro'	92°	45°	0.5		
Biscotasing	87°	39°	4.6			Kingston			1.8	293	71°
Montreal River	89°	36°	4.2			Brockville	96°	48°	1.1		71°
North Bay	90°	43°	3.4		68°	Morrisburg	90°	41°	2.2		
Providence Bay	84°	47°	1.4			Ottawa	95°	51°	2.9		70°
Parry Sound			1.7		70°	Ottawa (Exp. Farm)	91°	47°	2.4	274	68°
Southampton			0.8		68°	Renfrew	90°	44°	1.9		66°
Lucknow	94°	44°	1.4			Pembroke	92°	45°	4.1		70°
Beatrice	91°	39°	1.9		66°	Clontarf	91°	39°	2.3		64°
Walkerton	99°	40°	2.1		72°						

QUEBEC

Cedars	86°	60°	3.2		68°	Mont Laurier	90°	48°	5.7		
Macdonald College	88°	49°	4.7		69°	St. Joachim	85°	49°	4.6	226	65°
Montréal	88°	54°	3.3	242	70°	Donnacona	88°	45°		186	73°
Farnham	90°	42°	5.2	252	67°	Québec	88°	49°	2.4	249	67°
Brome	87°	37°	5.6		62°	Cap Rouge	84°	47°	2.4	243	65°
Lennoxville	91°	39°	4.3	252	65°	Ste. Anne de la Pocatiére	90°	40°	2.0	284	66°
Sherbrooke	86°	44°	5.0	256	66°	Roberval	90°	41°	2.7		66°
Beauceville	89°	40°	2.9		65°	Albanel	92°	40°	1.3	274	64°
Sorel	90°	45°	3.6		68°	La Ferme	85°	36°	3.8	239	64°
Lake Mégantic	82°	40°	0.7		63°	Sanmaur	87°	29°	3.1	252	66°
Drummondville	89°	42°	2.6		62°	St. Paul Island			1.1		59°
Nicolet	88°	47°	5.0		68°	Harrington Harb'r			0.5		55°
Joliette	91°	47°	2.9			Fame Point	83°	47°	1.7		62°
Huberdeau	87°	44°	6.6			Anticosti S.W. Pt.			2.2		56°
Maniwaki	88°	40°	5.4	321	70°						

ATLANTIC PROVINCES

Saint John	79°	47°	0.8	250	62°	Halifax	83°	39°	2.4		63°
Aroostook	84°	39°	6.5		65°	Annapolis Royal	84°	40°	2.6	241	63°
Bathurst	88°	43°	1.9		65°	Digby	81°	42°	3.5		63°
Chatham	84°	42°	0.8		65°	Kentville (Experimental Farm)	85°	40°	2.1	236	
Chipman	85°	39°	1.4		65°	Liverpool	83°	34°	2.9		62°
Edmundston	83°	43°	3.3		62°	Nappan (Experimental Farm)	84°	40°	0.3	254	64°
Fredericton	83°	41°	2.0	263	65°	Sydney	85°	38°	2.9		63°
Fredericton (Experimental Farm)	83°	40°	2.3	247	65°	Truro	85°	31°	1.7		62°
Gagetown	85°	41°	0.6		67°	Upper Stewiacke	84°	32°	2.1		63°
Grand Falls	81°	41°	1.8		62°	Wolfville	83°	43°	1.3	257	64°
Harvey	83°	39°	1.4		64°	Yarmouth	76°	45°	3.1		61°
Musquash	82°	33°	0.9			Charlottetown	81°	47°	0.5	295	65°
McAdam Junction	84°	37°	1.0		64°	Charlottetown (Experimental Farm)	83°	40°	2.3	247	65°
Richibucto	88°	44°	1.7		65°						
Sussex	85°	39°	0.7		66°						
Woodstock	86°	41°	1.9		66°						

+2°
+2°
+2°
+2°
−2°
−
+
−
+
Lake Michigan
Lake Erie
Lake Ontario
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Grand Rapids
Detroit
Chicago
Toledo
Cleveland
Ft. Wayne
La Salle
Pittsburg
Harrisburg
Philadelphia
Scranton
New York
Binghampton
Albany
Syracuse
Rochester
Oswego
Buffalo
Toronto
Kingston
Montreal
Northfield
Portland
Concord
Boston
New Haven
Block I.
Nantucket
Eastport
Harrington Harbour
Belle Isle
Moncton
Sable I.
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°

CE, DOMINION OF CANADA.

R MAP

1933

emperature; and total precipitation of the month.

REFERENCES.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches

METEOROLOGICAL SERVIC
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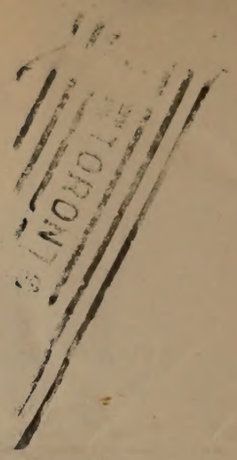
Chart shewing the difference from normal mean
-2°
-4°
-6°
6°
-2°
+/-
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°
Tanana
Fort Yukon
Herschell I.
Fort Good Hope
Coppermine
Cambridge Bay
Great Bear Lake
Norman
Mackenzie River
Simpson


TORONTO